

COMBINED DECLARATION  
AND POWER OF ATTORNEY

(Original, Design, National Stage of PCT or CIP Application)

As below named inventors, We hereby declare that:  
Our residence, post office address and citizenship are as stated  
below next to our names; We believe We are the original, first and  
sole inventors (if only one name is listed below) or an original,  
first and joint inventor (if plural names are listed below) of the  
subject matter which is claimed and for which a patent is sought  
on the invention entitled:

OSCILLATORY NEUROCOMPUTERS WITH DYNAMIC CONNECTIVITY

the specification of which: (complete (a), (b) or (c) for type of  
application)

**Regular or Design Application**

(a) [ ] is attached hereto.  
(b) [ ] was filed on \_\_\_\_\_ as Application Serial No.  
\_\_\_\_\_ and as amended on \_\_\_\_\_ (if applicable).

**PCT Filed Application Entering National Stage**

(c) [X] was described and claimed in International Application  
No. PCT/US99/26698 filed on November 12, 1999  
and as amended on \_\_\_\_\_ (if applicable).

**Acknowledgment of Review of Papers and Duty of Candor**

We hereby state that We have reviewed and understand the  
contents of the above-identified specification, including the  
claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is  
material to the patentability of the subject matter claimed in  
this application in accordance with Title 37, Code of Federal  
Regulations § 1.56.

[ ] In compliance with this duty there is attached an  
information disclosure statement. 37 CFR 1.97.

**Priority Claim**

We hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed

(complete (d) or (e))

(d) [X] no such applications have been filed.

(e) [ ] such applications have been filed as follows:

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO SAID APPLICATION			
COUNTRY	APPLICATION NO.	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
			[ ] YES NO [ ]
			[ ] YES NO [ ]
			[ ] YES NO [ ]
ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO SAID APPLICATION			
			[ ] YES NO [ ]

**Claim for Benefit of Prior U.S. Provisional Application(s)**

We hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date
60/108,353 /	November 13, 1998
/	
/	

**Continuation-In-Part**

(complete this part only if this is a continuation-in-part application)

We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) (Filing Date) (Status) (patented, pending, abandoned)

(Application Serial No.) (Filing Date) (Status) (patented, pending, abandoned)

**Power of Attorney**

As named inventors, We hereby appoint Thomas D. MacBlain, Reg. No. 24,583, Kittie Murray, Reg. No. 30,346, John Titus, Reg. No. 39,047, Paul Burns, Reg. No. P47,463, and Rennie Dover, Reg. No. 36,503, of the firm of GALLAGHER & KENNEDY, with offices at 2575 East Camelback Road, Phoenix, Arizona 85016 as attorneys and agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO:

Thomas D. MacBlain  
GALLAGHER & KENNEDY  
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Phoenix, AZ 85016

DIRECT TELEPHONE CALLS TO:

GALLAGHER & KENNEDY  
(602) 530-8088

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR	LAST NAME <u>Hoppensteadt</u>	FIRST NAME <u>Frank</u>	MIDDLE NAME <u>C.</u>	
RESIDENCE & CITIZENSHIP	CITY <u>Paradise Valley</u>	STATE or FOREIGN COUNTRY <u>Arizona</u>	COUNTRY OF CITIZENSHIP <u>U.S.A.</u>	
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DATE <u>7/16/01</u>	SIGNATURE OF INVENTOR <u>Alber Hoppensteadt</u>			
FULL NAME OF SECOND JOINT INVENTOR, IF ANY	LAST NAME <u>Izhikevich</u>	FIRST NAME <u>Eugene</u>	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY <u>San Diego</u>	STATE or FOREIGN COUNTRY <u>California</u>	COUNTRY OF CITIZENSHIP <u>Russia</u>	
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DATE <u>7/16/01</u>	SIGNATURE OF INVENTOR <u>P</u>			
FULL NAME OF THIRD JOINT INVENTOR, IF ANY	LAST NAME	FIRST NAME	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY	STATE or FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE or COUNTRY	ZIP CODE
DATE	SIGNATURE OF INVENTOR			